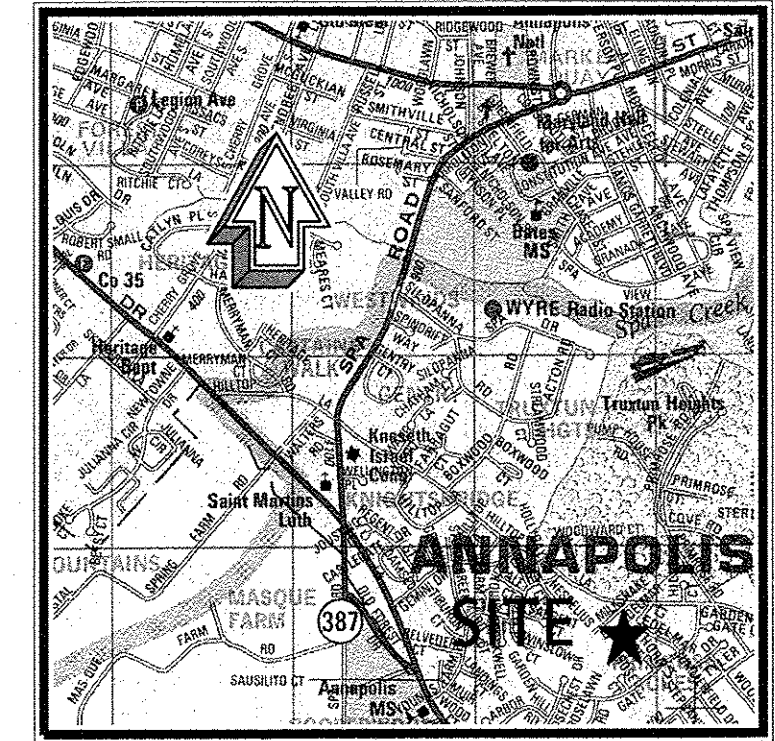


SIMPLIFIED FOREST STAND DELINEATION PLANS OF PRIMROSE HILL

3 MILKSHAKE LANE
TAX MAP 51I, GRID 4, PARCEL 319
CITY OF ANNAPOLIS, MARYLAND
SIXTH DISTRICT ANNE ARUNDEL COUNTY ZONED R2



VICINITY MAP
SCALE: 1"=200'
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EXISTING TREE TABLE

Date: JAN 2013										FSD TREE ASSESSMENT TABLE										Project: PRIMROSE HILL	
Tree #	DBH (Diameter at 4.5 feet above ground)	Common Name	Botanical Name	Age Estimate	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	CRZ (Feet Real Zone Radius in 1:1 Ratio)	Priority for Preservation (1-4)	Additional Notes	Condition Notes										
										Damaged, rotting trunk; copper cultivar, significant upper crown decline in 1 half, needs restoration prune, air layered limb, large trunk decay on declining side, english ivy at base, frass,	Large DW (3+*), Trunk Decay, Broken Limbs, Mechanical Damage,										
2	52	beech, European	Fagus sylvatica	111	63	Fair	45	78	1												
3	42	pecan	Carya illinoensis	105	67	Fair	40	63	2	large broken leader (14")	Large DW (3+*), Broken Limbs, Vines,										
4	36	pecan	Carya illinoensis	90	53	Fair	28	54	2	Trunk cavity at base, further inspection required	One Sided, Trunk Decay, Basal Decay,										
10	22	elm, spp.	Ulmus spp.	50	59	Fair	28	33	3	Some crown dieback; 23, 8, crown decline/thin crown,	Large DW (3+*), Vines, Large DW (3+*), Broken Limbs, Weak Union, Vines,										
13	28	maple, red	Acer rubrum	78	63	Fair	27	42	3	Some vine cover (English ivy)	Large DW (3+*), Broken Limbs, Stressed, Vines,										
18	25	pine, eastern white	Pinus strobus	63	58	Fair	21	38	3	poor vigor, thin crown	Large DW (3+*), Broken Limbs, Stressed, Vines,										
19	29	oak, willow	Quercus phellos	62	70	Good	34	44	1		Full Crown, Large DW (3+*), Vines,										
20	21	maple, red	Acer rubrum	58	41	Poor	25	32	4	Broken leader	Broken Limbs, Weak Union, Serious Decline,										
25	27	oak, pin	Quercus palustris	57	68	Fair	30	41	1		Large DW (3+*), Weak Union, Vines,										
28	27	oak, willow	Quercus phellos	57	70	Good	30	41	1	Some vine cover (English ivy)	One Sided, Vines,										
29	31	oak, willow	Quercus phellos	66	68	Fair	30	47	1	Vine cover (English ivy) & broken limbs	One Sided, Large DW (3+*), Vines,										
43	35	pecan	Carya illinoensis	88	66	Fair	40	53	2		One Sided, Weak Union, Vines,										
44	20	pecan	Carya illinoensis	50	70	Good	22	30	2		One Sided, Suppressed,										
45	38	pecan	Carya illinoensis	95	72	Good	38	57	1		Full Crown, Vines,										
46	31	pecan	Carya illinoensis	78	63	Fair	25	47	2	Lightning strike; broken limbs	One Sided, Broken Limbs, Vines, Mechanical Damage,										
50	25	locust, black	Robinia pseudoacacia	66	44	Poor	20	38	4	Severe crown dieback; broken limbs	Weak Union, Serious Decline,										
56	45	boxelder	Acer negundo	79	44	Poor	35	68	3	Trunk cavity/ large decay area, crown dieback, vine cover	Trunk Decay, Branch Decay, Stressed, Vines,										
59	25	elm, American	Ulmus americana	54	70	Good	33	38	1		Full Crown, Vines,										
63	34	pecan	Carya illinoensis	85	70	Good	34	51	1		Trunk Decay, Broken Limbs, Vines,										
92	38	cherry, black	Prunus serotina	95	47	Poor	40	57	3	Twin with weak crotch, crown dieback, heavy vine cover, broken limbs	Large DW (3+*), Vines,										
94	28	cherry, black	Prunus serotina	70	56	Fair	25	42	3	Leaning, vine cover (English ivy)	Vines, Overhead Utility,										
112	28	cherry, black	Prunus serotina	70	48	Poor	20	42	4	Leaning, crown dieback, broken limbs	Large DW (3+*), Root Damage/Decay, Vines, Overhead Utility, Excessive Lean,										
118	24	maple, red	Acer rubrum	67	56	Fair	18	36	3	Vine cover (English ivy)	Large DW (3+*), Trunk Decay, Vines, Overhead Utility,										

GENERAL NOTES

- A. TOTAL SITE AREA = 4.35 ACRES
B. TOTAL FOREST AREA = 0 ACRES
C. TOTAL FLOODPLAIN AREA = 0 ACRES
D. NO RARE, THREATENED, OR ENDANGERED SPECIES ARE KNOWN TO EXIST ON THE PROPERTY.
E. THE FOREST STAND DELINEATION FIELD WORK WAS CONDUCTED BY CARY HULSE OF DAVEY RESOURCE GROUP ON MAY 29, 2012 AND JANUARY 23, 2013. WHILE THE SITE CONTAINS NUMEROUS TREES THAT HAVE DIAMETERS-AT-BREAST HEIGHT OF 6 INCHES OR GREATER, THE FOREST STAND DELINEATION STUDY REVEALED THAT NO AREAS QUALIFYING AS FOREST UNDER THE STATE FOREST CONSERVATION ACT EXIST ON THE PROPERTY. THE EXISTING TREES, MANY OF WHICH ARE IN POOR CONDITION, ARE GENERALLY SCATTERED THROUGHOUT THE PROPERTY AND THE UNDERSTORY IS MOWED/MAINTAINED IN MOST AREAS. THE PROPERTY ALSO CONTAINS NUMEROUS LANDSCAPE BEDS AND A VERY HIGH PERCENTAGE OF INVASIVE SPECIES SUCH AS BAMBOO, JAPANESE HONEYSUCKLE, PERIWINKLE, AND ENGLISH IVY. AN AREA OF WOODS AT THE SOUTHERN TIP OF THE PROPERTY IS LESS THAN 10,000 SQUARE FEET IN SIZE AND DOES NOT QUALIFY AS FOREST. THE DOMINANT TREE IN THIS AREA IS BLACK CHERRY, ALTHOUGH A FEW WHITE PINE AND ELM ALSO EXIST. THE THICK HERBACEOUS LAYER IS DOMINATED BY A 90% COVER OF INVASIVE AND NUISANCE VINES SUCH JAPANESE HONEYSUCKLE, POISON IVY, TRUMPET CREEPER, AND ENGLISH IVY. MANY OF THE TREES IN THIS AREA ARE ALSO COVERED TO VARYING DEGREES BY THE VINES.
F. A WETLAND DELINEATION IN ACCORDANCE WITH THE 1987 CORPS OF ENGINEERS' WETLANDS DELINEATION MANUAL AND THE INTERIM REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS' WETLAND DELINEATION MANUAL: ATLANTIC AND GULF COASTAL PLAIN REGION WAS ALSO CONDUCTED BY MICHAEL J. KLEBASKO ON MAY 7, 2012. THE STUDY REVEALED THAT THE PROPERTY DOES NOT CONTAIN ANY NONTIDAL WETLANDS OR STREAMS. THE MAJORITY OF THE SITE IS DOMINATED BY UPLAND PLANT SPECIES AND THE EXISTING SOILS WERE DETERMINED TO BE NON-HYDRIC. IN ADDITION, NO EVIDENCE OF WETLAND HYDROLOGY WAS IDENTIFIED WITHIN 25 FEET OF THIS SITE. IT SHOULD BE NOTED THAT A SMALL, TRIANGULAR-SHAPED STORMWATER MANAGEMENT FACILITY WITH A PVC PIPE OUTFALL AND A RIP-RAP OVERFLOW APRON EXISTS AT THE NORTHERN TIP OF THE PROPERTY ADJACENT TO MILKSHAKE LANE. ALTHOUGH LIZARD TAIL WAS OBSERVED GROWING IN THIS AREA, THE SOILS DID NOT EXHIBIT REDOXYMORPHIC FEATURES AND NO WATER WAS FOUND WITHIN 24 INCHES OF THE SOIL SURFACE.
G. THE PROPERTY CONTAINS TEN (10) SPECIMEN TREES (DBH ≥ 30"), OF WHICH TWO (2) WERE DETERMINED TO BE IN POOR CONDITION.

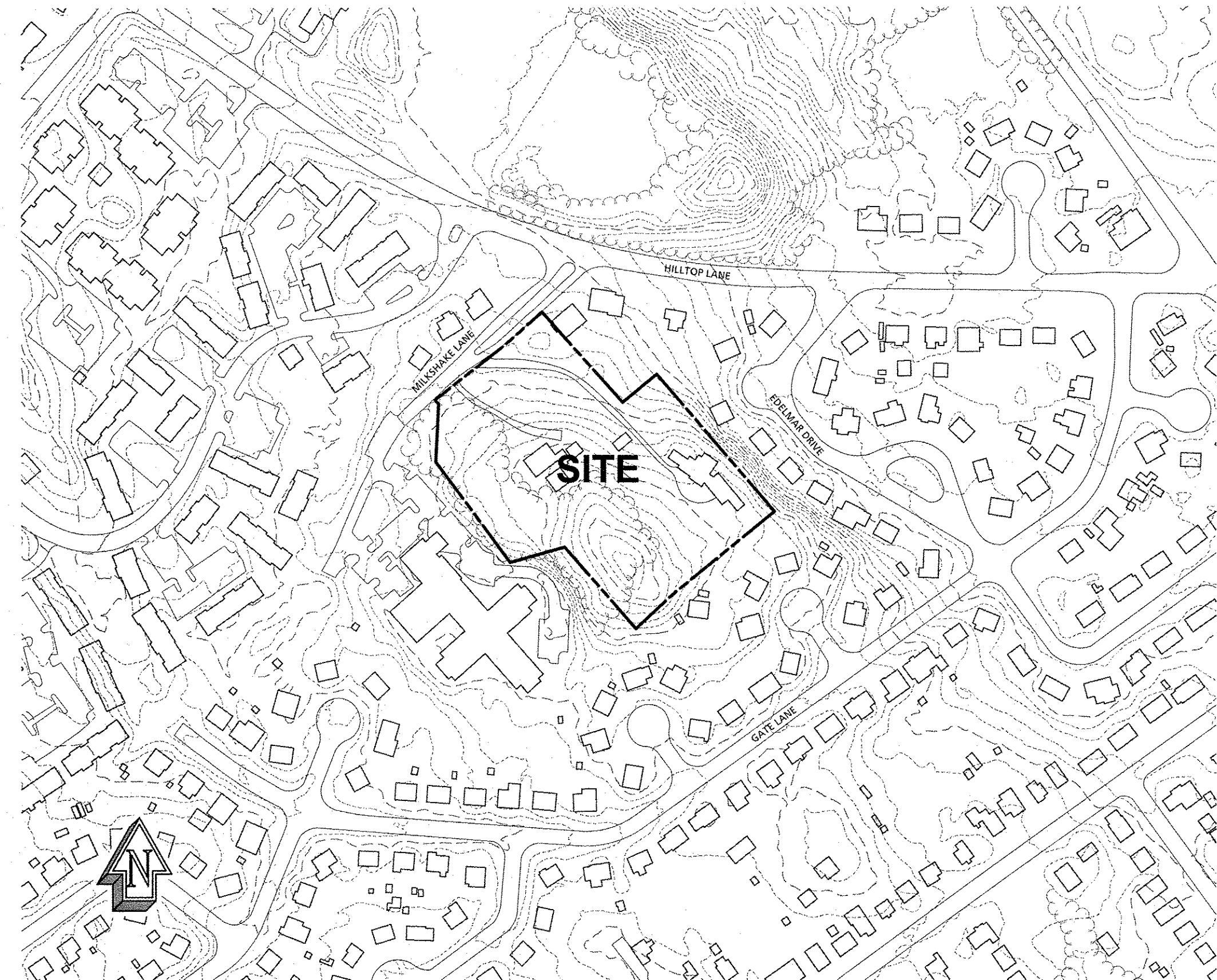
SOIL TYPES

SYMBOL	DESCRIPTION	HYDRIC	K-FACTOR	HYDROLOGICAL SOIL GROUP
AuB	ANNAPOLIS URBAN LAND COMPLEX, 0 TO 5% SLOPES	NO	0.28	B
AuD	ANNAPOLIS URBAN LAND COMPLEX, 5% TO 15% SLOPES	NO	0.28	B

SOURCE: <http://websoilsurvey.nrcs.usda.gov> (MAY, 2012)

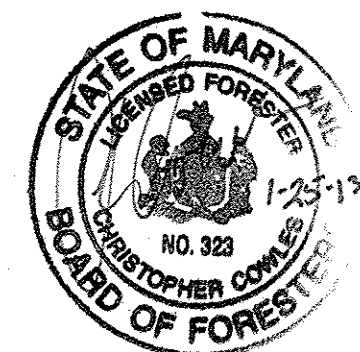
SITE LEGEND

PROPERTY LINE	---
EXISTING CONTOUR	142
EXISTING WOODS	~~~~~
EXISTING FENCE	x x x
EXISTING SOILS BOUNDARY	---
EXISTING SOILS DESIGNATION	AuD
EXISTING UTILITY POLE W/ OVERHEAD WIRE	o
EXISTING WATER	W
EXISTING SEWER	SS
EXISTING STORM DRAIN	SD
EXISTING GAS	G
EXISTING ZONING BOUNDARY	---
EXISTING ZONING DESIGNATION	R3
EXISTING LIGHTPOLE	*
EXISTING RIPRAP	
EXISTING EASEMENT	
EXISTING TREE W/ CRITICAL ROOT ZONE (DBH ≥ 24")	o
EXISTING STEEP SLOPES 15% TO 25%	
EXISTING STEEP SLOPES GREATER THAN 25%	
HISTORIC AREA	



LOCATION MAP

SCALE: 1"=200'



NOTE: ONLY TREES ≥ 24" DBH AND TREES THAT MAY BE 50 YEARS OR OLDER WITHIN THE HISTORIC AREA ARE DEPICTED ON THE FSD.

DRAWN: C.J.H.
DESIGN: C.J.H.
CHECKED: D.A.Z.

REV. NO.
0

BASED ON PLANS PROVIDED BY
DAY ENGINEERING

REV. DATE

COMMENTS

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Office: 410.774.0024 • Fax: 410.858.0184
National: 877.618.7337

DAVEY
RESOURCE GROUP
A Division of The Davey Tree Expert Company

PRIMROSE HILL
ANNAPOLIS, MARYLAND
TREE PRESERVATION PLAN

CLIENT:
ELM STREET DEVELOPMENT

SCALE:
AS SHOWN

DATE:
09/10/2012

SHEET NO:
1 OF 2

QC:
f